

CLEAN VERSION OF REWRITTEN OR ADDED CLAIMS
PURSUANT TO 37 CFR § 1.21 (c)(1)(i)

Please cancel claims ~~14~~ and ~~39~~.

Please amend the following claims.

- [B1] 12. (Amended) An isolated nucleic acid sequence encoding a centromere-associated protein E gene product, said sequence encoding a protein having a plus-end directed core motor domain that has greater than 80% amino acid sequence identity to a *Xenopus* centromere-associated protein E core motor domain, comprising amino acid residues 1-324 of SEQ ID NO:1.
- [B2] 13. (Amended) The isolated nucleic acid sequence of claim 12, wherein said sequence has a nucleotide sequence of SEQ ID NO:2.

- [B2] 15. (Amended) The isolated nucleic acid sequence of claim 12, wherein said sequence encodes a protein having an average molecular weight of about 300-350 kDa.

Please add the following claims.

- [B3] 1043. (New) An isolated nucleic acid sequence encoding a centromere-associated protein E gene product, said sequence encoding a protein having a core motor domain comprising amino acid residues 1-324 of SEQ ID NO:1.
- [B3] 44. (New) The isolated nucleic acid sequence of Claim 12, wherein said sequence encodes a protein having a plus-end directed core motor domain that has greater than 85% amino acid sequence identity to said *Xenopus* centromere-associated protein E core motor domain.

5
45.

(New) The isolated nucleic acid sequence of Claim 12, wherein said sequence encodes a protein having a plus-end directed core motor domain that has greater than 90% amino acid sequence identity to said *Xenopus* centromere-associated protein E core motor domain.

B3
46.

(New) The isolated nucleic acid sequence of Claim 12, wherein said sequence encodes a protein having a plus-end directed core motor domain that has greater than 95% amino acid sequence identity to said *Xenopus* centromere-associated protein E core motor domain.
